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Grouted Tilting Patient Positioning Table For Vascular Applications

Abstract of Disclosure

Certain embodiments include a system and method for positioning a patient with a patient positioning system. The system includes a patient positioning surface for supporting a patient. The system also includes a lift subsystem for adjusting elevation of the patient positioning surface, a longitudinal subsystem for moving the patient positioning surface in a longitudinal direction, a lateral subsystem for moving the patient positioning surface in a lateral direction, a tilt subsystem for tilting the patient positioning surface, and a rotation subsystem for rotating the patient positioning surface. The system further includes a control subsystem for controlling operation of the patient positioning system and a base affixed to a floor for securing the patient positioning system. The control subsystem may perform iso-center tracking to maintain a region of interest of the patient in an image area during tilt. The control subsystem may also avoid collision with the ground and/or predetermined objects.

Figures